



# Business Intelligence Webinar SharePoint and Excel Services



Information Worker Solutions  
Custom Development Solutions  
Advanced Infrastructure Solutions

**black and white solutions for a grey world**



## Agenda

- About Gig Werks
- Six Pillars of SharePoint
- Business Productivity Infrastructure Optimization
- BI with Excel Services
- Demonstration of SharePoint Excel Services
  - Parameterized Reporting
- Q&A

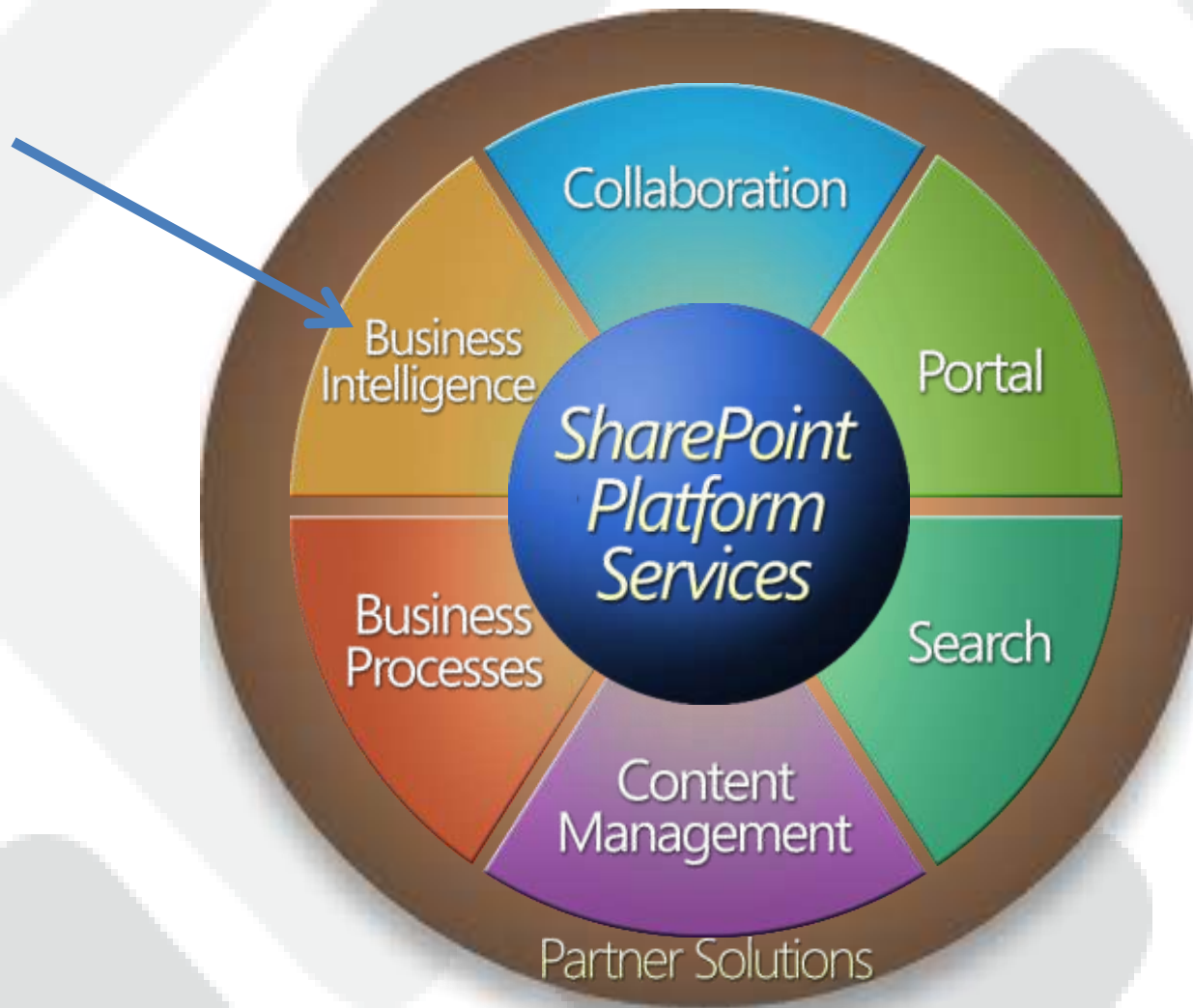
# Introduction

- About the Speakers
  - Henry Hilska, Project Manager
  - Christian Holslin, Solution Architect
- About Gig Werks
  - Microsoft Certified Gold Partner
  - SharePoint / Business Intelligence / AEC
  - <http://www.gig-werks.com>

# Introduction

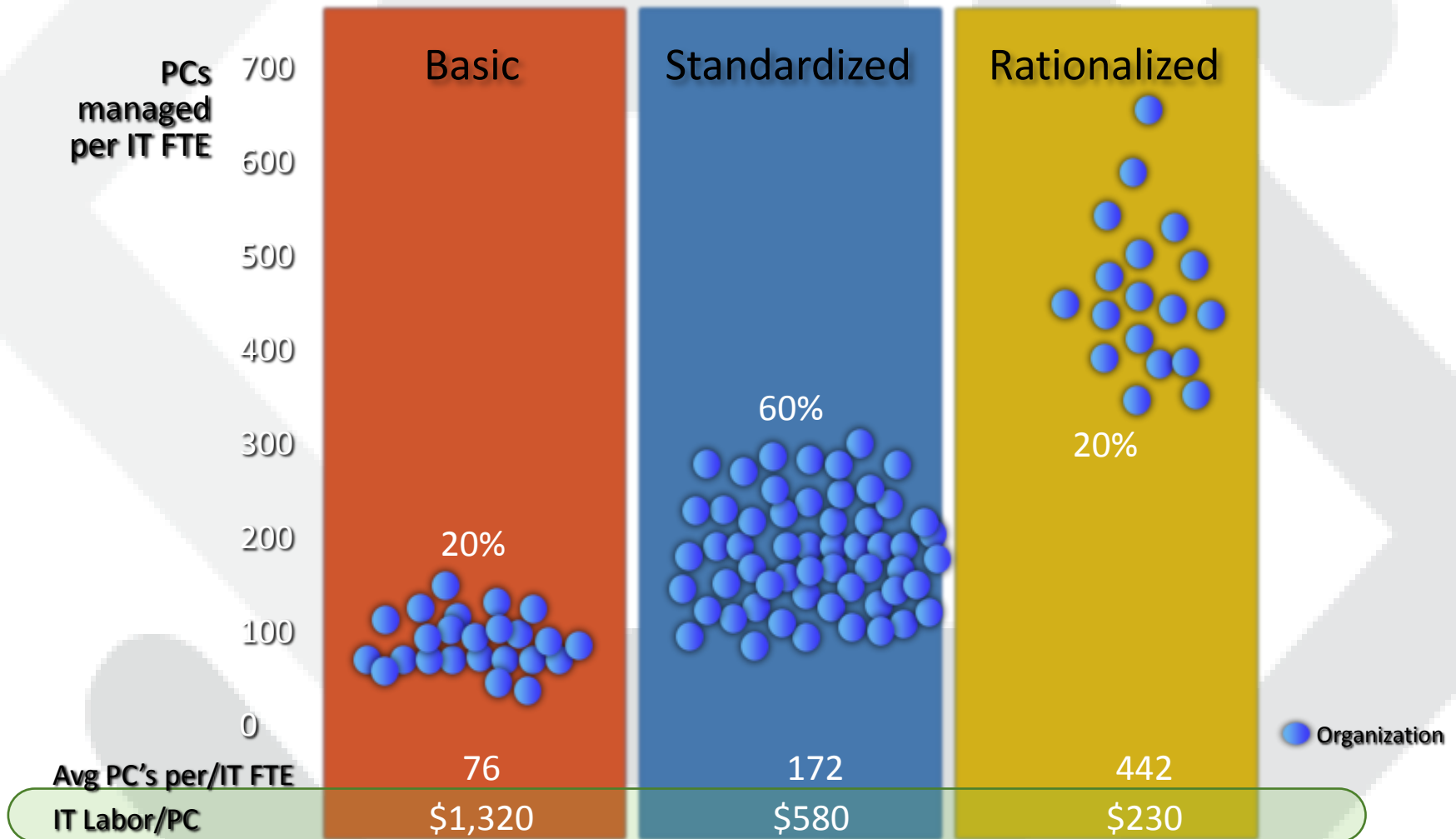
- BI Solutions we have provided
  - Dashboards
    - PerformancePoint
    - SQL Server Analysis Services
    - SharePoint
    - ASP .NET
  - Reporting
    - SQL Server Reporting Services
    - Excel Services
  - Data Warehousing / ETL
    - SQL Server Integration Services

# Six Pillars of SharePoint



# BPIO Improves IT Efficiency

Accomplish More with the Same Resources



**Microsoft**  
GOLD CERTIFIED  
Partner

Information Worker Solutions  
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# Microsoft Business Intelligence Platform

## Quality Data

- Enable users to find the data they need in an easy-to-understand format.
- Microsoft SQL Server 2008 offers an enterprise-ready and proven relational engine that can store vast amounts of data, support high query loads with optimal performance, and scale to the largest enterprise needs.

# Microsoft Business Intelligence Platform

## Tools to Gain Deeper Insight

- Provide resources that help customers make accurate and confident decisions. Microsoft Office Excel 2007, a tool familiar to most information workers, provides significant improvements in how people analyze, visualize, and gain insight to data.

# Microsoft Business Intelligence Platform

## Decisions Aligned with Corporate Goals

- After customers have access to data and effective tools, how can they align decisions with corporate objectives?
- Microsoft Office makes this possible by providing informational views that consolidate all corporate data, from sales to human resources and from operations to finance.

# SharePoint Excel Services

## What are the Excel Services?

- **Excel Calculation Services (ECS)** is the "engine" of Excel Services that loads the workbook, calculates in full fidelity with Microsoft Office Excel 2007, refreshes external data, and maintains sessions.
- **Excel Web Access (EWA)** is a Web Part that displays and enables interaction with the Microsoft Office Excel workbook in a browser by using Dynamic Hierarchical Tag Markup Language (DHTML) and JavaScript without the need for downloading ActiveX controls on your client computer, and can be connected to other Web Parts on dashboards and other Web Part Pages.
- **Excel Web Services (EWS)** is a Web service hosted in Microsoft Office SharePoint Services that provides several methods that a developer can use as an application programming interface (API) to build custom applications based on the Excel workbook.

# SharePoint Excel Services

## So what are the business benefits?

- Repurpose and Extend
  - Enhance the usefulness of existing Excel spreadsheets
- Collaboration
  - Provide Options for End-Users
  - Edit from SharePoint
- Visibility
  - Separate Data from Presentation
  - Target Key Metrics to Specific Audiences
- Rapid Development
  - Created in Excel, Published from Excel
  - *Data Connections Increase Deployment Overhead*

# SharePoint Excel Services

## What is Parameterized Reporting?

- Easy Setup
  - Out of the Box Excel and SharePoint
- Familiar Interface
  - Reporting With Excel Data and Objects
- Quick Deployment
  - Publish Directly from Excel
- Secure Access
  - Protected Document Library, Clipped Viewport

# SharePoint Excel Services

## DEMO

Project Performance Metrics					
	A	B	C	D	
1	<b>Performance (All Projects)</b>		<b>KPI</b>	<b>Actual</b>	<b>Target</b>
3	<b>Liquidity Indicators</b>				
4		Cash Conversion	\$ 2,006,775	●	2,000,000
5		Cash Funding	\$ 1,420,500	●	1,400,000
6		Cash Demand	\$ 586,275	●	500,000
7		Average Daily Revenue (Days 365)	\$ 6,849	●	15,000
9	<b>Schedule Variance Indicator</b>				
10		Schedule Variance	14.4%	●	10.0%
12	<b>Margin Variance Indicators</b>				
13		Forecasted Gross Margin	\$ 150,000	●	100,000
14		Actual Gross Margin on Closed Jobs	\$ (100,000)	●	100,000
15		WIP Gross Margin	\$ 602,087	●	600,000
17	<b>Cash Flow Indicator</b>				
18		Project Cash Position	\$ 1,111	●	100,000
20	<b>Unapproved Change-Order Indicator</b>				
21		% of Margin at Risk	4.2%	●	10.0%

Navigation: Sheet1 | Sheet2 | **Scorecards** | Graphs | Rollup | Project1 | Project2 | Project3